

PRELIMINARY ASSESSMENT REPORT
For
SBA SHIPYARD
JENNINGS, JEFFERSON DAVIS PARISH, LOUISIANA

Prepared for
U.S. Environmental Protection Agency Region 6
1445 Ross Avenue
Dallas, Texas 75202

Date Prepared:

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Prepared by
Dynamac Corporation
1323 Columbia Drive, Suite 307
Richardson, Texas 75081
(214) 575-3344

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START PjM: Kris Lloyd

Prepared by:



Kristine Lloyd
START Project Manager

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Approved by:



Debra Pandak

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APPENDICES

Appendix A	Copy of TDD No. TO-0009-12-10-02, and Amendments A, 2 and 003
Appendix B	Copy of START-3 Logbook
Appendix C	Reconnaissance Photographs

LIST of ABBREVIATIONS

AOI	Area of Interest
AST	Aboveground Storage Tank
BGS	Below Ground Surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
GAC	Granulated Activated Carbon
GPS	Global Positioning System
HRS	Hazard Ranking System
IM/RA	Interim Measures/Removal Action
LDEQ	Louisiana Department of Environmental Quality
LDNR	Louisiana Department of Natural Resources
NPL	National Priorities List
PA	Preliminary Assessment
PPE	Probable Point of Entry
RCRA	Resource Conservation and Recovery Act
SAM	Site Assessment Manager
SARA	Superfund Amendments and Reauthorization Act
SCDM	Superfund Chemical Data Matrix
START	Superfund Technical Assistance and Response Team
SCDM	Superfund Chemical Data Matrices
SVOCs	Semivolatile Organic Compounds
TDD	Technical Direction Document
TDL	Target Distance Limit
VOCs	Volatile Organic Compounds

1 INTRODUCTION

Dynamac Corporation (Dynamac) Superfund Technical Assessment and Response Team (START-3) was tasked by the U.S. Environmental Protection Agency (EPA), Region 6, under Technical Direction Document (TDD) # TO-0009-12-10-02 (Appendix A), to conduct a Preliminary Assessment (PA) for the SBA Shipyard site (CERCLIS No. LAD008434185) located at 9040 Castex Landing Road, Jennings, Jefferson Davis Parish, Louisiana (LA). See Figures 1 and 2 for the location of the area of interest in SBA Shipyard. The specific goals for the SBA Shipyard PA, as identified by the EPA, are to:

- assess the potential threat to public health and the environment posed by the site;
- determine the potential for a release of hazardous constituents into the environment;
- screen the site for potential placement onto the National Priorities List (NPL); and
- provide the documentation necessary to support a decision by the EPA Region 6 Site Assessment Manager (SAM) regarding the need for further action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)/Superfund Amendments and Reauthorization Act (SARA).

The PA was prepared according to *Guidance for Performing Preliminary Assessments Under CERCLA*, 40 CFR Part 300, Hazard Ranking System (HRS) Final Rule, the HRS Guidance Manual, and the Superfund Chemical Data Matrix (SCDM) (Ref. 1; Ref. 2; Ref. 3; and Ref. 4).

The scope of the PA, as listed in the TDD (Appendix A) and in discussions with the EPA SAM, included:

- Review of all available EPA and Louisiana Department of Environmental Quality (LDEQ) site files;

- Document the presence, quantity, type or absence of uncontrolled or uncontained hazardous substance(s) on-site;
- Perform an on-site reconnaissance inspection;
- Collect additional data (e.g., water well survey) to be used in assessing the site;
- Document releases to the environment;
- Identify migration pathways;
- Determine pathway specific receptors and surrounding population density;
- Locate other environmentally sensitive receptors (e.g., wetlands and endangered species); and
- Prepare the PA report in accordance with EPA OSWER Directive 9345.0-01A EPA OSWER Directive 9375.2-09FS and the National Contingency Plan (NCP).

2 SITE DESCRIPTION

This section provides information about the site location and description, regulatory history, and summary of previous investigations related to the site.

2.1 Site Location

The SBA Shipyard facility (SBA) is situated on approximately 98 acres of land located in a rural-industrial area, at 9040 Castex Landing Road, Jennings, Jefferson Davis Parish, LA. The facility is within Section 19 of Range 2W, Township 10S and is located at the end of State Highway 3166 and adjacent to the west bank of the Mermentau River (Ref. 5). The geographic coordinates at the abandoned office and facility entrance are Latitude 30.16415° North and Longitude -92.61588° West, obtained from a Trimble Geo Explorer 3 Global Positioning System (GPS) during the site reconnaissance inspection on December 11, 2012 (Figures 1-3). SBA has used the site for construction, repair, retrofitting and cleaning of barges since 1965. Except for portions of the property possibly used for livestock grazing there is no known industrial use for the site prior to 1965 (Ref. 10, p. 5). This facility is located in south Jennings, LA and bordered to the north by residents, south and west by

wetlands, and to the east by the Mermentau River. Access to the property is restricted with fencing and locked gates (Appendix B).

2.2 Site Description

The area of interest (AOI) in SBA Shipyard consists of an abandoned buried barge southeast of the property, adjacent to a wetland and the west bank of the Mermentau River in Jennings, LA (Figures 3 and 4).

Document reviews indicated that portions of the property may have been used for agricultural uses prior to the mid-1960s. In 1965, SBA Shipyards, Inc. was incorporated in the state of Louisiana (Ref. 10, p. 5). SBA was used for construction, building, repair, retrofitting and cleaning of barges. Barges serviced by SBA typically held diesel, coal tar, crude oil, gasoline and asphalt.

Wastes from the barge cleaning operations were managed in a waste management area that included four impoundments, a land treatment unit (LTU) and storage tanks. The wastes consisted of petroleum hydrocarbons. The hydrocarbons were separated from the water into surface impoundments that were known as the Oil Pit, Water Pit 1, Water Pit 2 and Water Pit 3 (Ref. 11, Figure 5-1). Water was recycled to barge cleaning and some of the water was converted to steam for the cleaning operations. Aboveground oil/water separators and storage tanks eventually replaced the functions of the pits (aka surface impoundments). Starting in 1989, attempts were made to bio-remediate and close the impoundments. In 1991, the bioremediation was determined to be unsuccessful. Water and oil were pumped from Water Pit 1 to the storage tanks. The sludge in Water Pit 1 was solidified with fly-ash and lime. Approximately one-third of the material was placed in the LTU. The remaining material in Water Pit 1 was piled at the east end of Water Pit 1. Accumulated precipitation was periodically pumped from the west end of Water Pit 1 to storage tanks. The material in the LTU was periodically disked until 1993 to promote bioremediation (Ref. 10, pp. 5, 6).

Interim removal activities were conducted from March 2001 through January 2005 under an EPA December 2002 Order and Agreement for Interim Measures/Removal Action (IM/RA) of Hazardous/Principal Threat Wastes at SBA Shipyards, Inc., pursuant to Resource Conservation Recovery Act (RCRA) Section 3008(h). Approximately 33.8 million pounds of oils, waxes and sludges, pumpable oily material and oily tank heels, 70 tons of contaminated debris and 88 tons of recyclable scrap steel were removed from the site (Ref. 11, pp. ES-1 - ES-3).

As part of the IM/RA, the Oil Pit and wastes from the storage tanks were stabilized and solidified for off-site disposal. Approximately 750,000 gallons of uncontaminated pond water were pumped from the former Water Pit to the drainage ditch that drains to the Mermentau River. The emptied Water Pit was then used to receive treated storm water from the partially buried barge. Pumpable oil materials were removed from the partially buried barge; which was then used to store contaminated storm water prior to treatment and discharge to the emptied Water Pit. Water from the barge was treated by sand filtration, followed by granulated activated carbon (GAC). The treated water was then pumped to the Water Pit, analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and Total Suspended Solids (TSS) and discharged (Ref. 11, Appendix L). The Water Pit was closed by excavating a six -foot gap in the berm to the "Mermentau River bottomland" directly east of pit (Ref. 11, pp. 6-10). The partially buried barge, an asphalt tank, and partially scrapped metal from a former 10,000 barrel tank remained onsite after the IM/RA activities were conducted (Ref. 10, Table 1).

START-3 conducted a site reconnaissance inspection at the SBA Shipyard AOI on December 11, 2012. Brenda Cook, EPA Site Assessment Manager (SAM), Mark Miller and Tommy Dolan, LDEQ representatives accompanied START-3 on the inspection. The facility is inactive and abandoned. Access to the property is restricted with fencing and locked gates. It is possible that trespassing may occur from the adjacent river. Sheep and cattle grazing were observed on the property. Tar-like material was observed in soils up to a depth of 3 to 4 feet below ground surface (bgs) near the onsite ditches. Evidence of the former pits and former land

treatment unit were not observed during the reconnaissance. Four monitoring wells were present on the western portion of the property. A partially buried barge, an asphalt tank, and partially scrapped metal from a former 10,000 barrel tank remained onsite.

The observations of property features and current site conditions made by START-3 personnel are documented in Appendices B and C, respectively – Copy of START-3 Logbook and Digital Photographs.

2.3 Summary of Regulatory History and Previous Investigations

Regulatory History

In late 1989, SBA closed the four impoundments that were put in service in 1968. In 1980, SBA submitted to EPA a RCRA Part A Application indicating that SBA did not treat, store or dispose of hazardous waste. Visual indications of the possible presence of contamination were observed during the subsurface investigations conducted between November 1989 – February 1990 by QRI, a contractor for SBA. In addition, four monitor wells were also installed at the time. Subsurface contamination was observed at the SBA site by LDEQ on February 1990. The LDEQ, Solid Waste Division (SWD) issued an Order (OC-159) to SBA to close the waste management units on August 1990. A memo was written on July 1994 that closure activities for the SBA site would be handled by either LDEQ HWD or EPA (Ref. 10, Table 1).

Previous Investigations

The IM/RA activities were completed in 2005 by Michael Pisani & Associates, Inc. (Ref. 11). LDEQ conducted periodic field investigations of the property since 2005 to document facility conditions (Ref. 12; Ref. 13). Tar-like material was observed in soils up to a depth of 3 to 4 feet below ground surface (bgs) near the onsite ditches (Ref. 12). The property was being used for sheep and cattle grazing in 2009 (Ref. 13).

3 SOURCE EVALUATION

Sources that remain at SBA include the following:

- Source No. 1 is a partially buried barge. The barge is approximately 250 feet (ft.) by 50 ft. The steel barge is located on the southeast portion of the property, north of a designated wetland area. Waste oil and fluids from the barge are being released into the aforementioned wetlands (Appendix C). An anonymous caller notified the National Response Center (NRC) in October 2012 that the barge was being scrapped and oil was being discharged to the surrounding soils. The material was also allowed to burn (Ref. 22). LDEQ conducted an investigation and reported evidence of the scrapping efforts. The burning had been extinguished (Ref. 23).
- Source No. 2 is a horizontal steel, aboveground storage tank (AST). The tank is located approximately 300 feet northwest of the barge. It allegedly contains approximately 50,000 pounds of solid asphaltic material. No secondary containment features are associated with the AST.
- Source No. 3 is a former Oil Pit (surface impoundment). The dimensions were approximately 160 ft x 100 ft x 6 ft and was estimated to contain approximately 3,600 cu yards of oily sludge (Ref. 10, p. 8). Wastes from the barge cleaning operations consisted of petroleum hydrocarbons. The hydrocarbons were separated from the water and into this surface impoundment. There was no documentation to indicate that this source was lined or had any other containment features when it was in operation.
- Source No. 4 is Water Pit 1 (surface impoundment). The dimensions were approximately 160 ft x 100 ft x 15 ft. The estimated volume was 6,900 cubic yards (Ref. 10, p. 8). There was no documentation to indicate that this source was lined or had any other containment features when it was in operation.
- Source No. 5 is Water Pit 2 (surface impoundment). The dimensions were approximately 85 ft x 75 ft x 6 ft and had an estimated volume of 700 cubic

yards (Ref. 10, p. 8). There was no documentation to indicate that this source was lined or had any other containment features when it was in operation.

- Source No. 6 is Water Pit 3 (surface impoundment). The dimensions were approximately 283 ft x 55 ft x 6 ft. and had an estimated volume of 600 cubic yards (Ref. 10, p. 9). There was no documentation to indicate that this source was lined or had any other containment features when it was in operation.
- Source No. 7 is the former land treatment unit (LTU). The LTU was present at the western portion of the Site. It had dimensions of approximately 190 ft x 93 ft x 3 ft and was estimated to contain approximately 2,000 cu yards of solidified sludge (Ref. 10, p. 8). The LTU was used to further biotreat some stabilized sludge that was removed from Water Pit 1 (Ref. 10, p. 8). Wastes from the barge cleaning operations were managed in a waste management area that included four impoundments and LTU. Approximately one-third of the material was placed in the LTU. The material in the LTU was periodically disked until 1993 to promote bioremediation (Ref. 10, pp. 5,6). There was no documentation to indicate that this source was lined or had any other containment features when it was in operation.
- Source No. 8 is a barge slip located off the Mermentau River. No sampling or other information is known or available about this source.
- Source No. 9 is a dry dock located north of the barge slip. No sampling or other information is known or available about this source.

4 PATHWAY ASSESSMENTS

4.1 Groundwater Migration Pathway

The Groundwater Migration Pathway assesses the potential for suspected contamination in the underlying aquifers. The primary emphasis of the groundwater migration pathway is the identification of drinking water wells and the aquifers that they draw from.

4.1.1 Groundwater Characteristics

Regional Geology

Regional surface exposures in Jefferson Davis Parish consist of mainly Prairie terraces. The associated surface covers about 84% of this area and consists of clay or mud, silt, sand, and gravel (Ref. 6). Alluvium, consisting of clay or mud, sand and gravel make up about 14% of this Parish; while Chenier Plain, Fresh Marsh, and Intermediate Terraces make up the remaining geologic units in this region. The soils in marshes are soft organic soils or firm, clayey mineral soils (Ref. 7, p. 11).

Jefferson Davis Parish, LA is located within the Gulf Coastal Plain, which is composed of sediment deposits of recent age laid down in the Gulf of Mexico and in the valleys of streams. The deposits generally consist of fine sand, silt, clay and a few lenses of coarse sand. Limited use aquifers are located in sand zones within these deposits. The Pleistocene deposits which underlie the recent deposits were laid down during glacial retreats. The system of aquifers formed by the Pleistocene deposits has been named the Chicot Aquifer. The aquifer consists of thick deposits of gravel, sand and clay. The material generally becomes coarser with depth. The sediments forming this plain, slope gently towards the Gulf of Mexico (Ref. 8, pp. 14-17). Groundwater provides fifty-five percent of the water withdrawn and used in Jefferson Davis Parish and is pumped from the Chicot Aquifer System. Of this water withdrawn, 97 percent is mainly used for irrigation, mostly rice; 2 percent for public supply; 0.5 percent for rural uses; and about 0.5 percent for industry (Ref. 7, p. 12). Chicot Aquifer System is the major aquifer system in Jefferson Davis Parish and consists of the upper sand and the lower sand units. The water from the upper sand unit in this system is recharged from the rainfall in Allen Parish. The upper sand unit is where most of the water is withdrawn and are generally of good quality, while the remaining aquifers in the Parish contain salt water. The upper sand unit averages 300 to 400 feet in thickness in sand. From north to south in the

Parish, the sand and clay beds thicken. Jefferson Davis Parish has about 500 large producing wells, where irrigation wells are between 300 to 400 feet deep. Household aquifers are only drilled to the top of the aquifer (Ref. 7, p. 13).

The average annual total precipitation for Jennings, LA is approximately 56 inches (Ref. 17, p. 1).

Site-Specific Geology

Four monitoring wells were installed at SBA in 1989. The reported depths range from 26.9 feet bgs to 30 ft. bgs. They are screened from 15 to 25 ft. bgs (Ref. 10, p. 12). Silty clays and clays containing discontinuous lenses, pockets, and layers of silt or fine sand were encountered during well installation (Ref. 10, p. 10, Appendix A). The permeability of the units encountered ranged from 4.52×10^{-7} centimeters per second (cm/sec) at a 12-14 ft. bgs interval to 4.52×10^{-9} cm/sec at a 28-30 ft. bgs interval (Ref. 10, p. 10). The wells were installed to monitor the groundwater in the vicinity of the impoundments. They were periodically sampled and analyzed for VOCs and SVOCs. The analytical data in the LDEQ files show that the ground water in the shallow water bearing unit was contaminated with VOCs and SVOCs (Ref. 10, pp. 22, 23). According to the available documentation, none of the nearby private water wells have been analyzed for VOCs or SVOCs.

4.1.2 Likelihood of Release

Based on the analytical data and information in site files, the shallow groundwater has been affected by former site operations. Available EPA and LDEQ site files for SBA indicate that on-site ground water has not been sampled since 2002.

Groundwater within a 4-mile target distance limit (TDL) from SBA is used for drinking, irrigation, and industrial purposes. The local residents located along Castex Landing Road all use private water wells. An industrial well is located

at SBA. Based upon available ground water data, the upper sands of the Chicot Aquifer will be evaluated as the Aquifer of Concern.

4.1.2.1 Drinking Water Receptors

Domestic Drinking Water Receptors

According to the Louisiana Department of Natural Resources (LDNR) water well database, there are 7 domestic wells within the ¼-mile radius, 7 domestic wells located within the ¼ to ½-mile TDL, and five wells within the ½ to 1-mile TDL of the facility (Figure 5; Ref. 15). The wells range from 125 to 200 ft. bgs. The average population per household in Jefferson Davis Parish is 2.62 (Ref. 16).

Municipal Drinking Water Receptors

The town of Mermentau, LA has two municipal supply wells located within the 2 to 3-mile TDL. They are 158 ft. and 230 ft. bgs. The population of Mermentau is 661. Attempts were made to contact personnel in the Mermentau Water Department to ascertain if both wells are equally used; however, the attempts of communication were unsuccessful. It will be assumed that both wells are equally used; therefore, the population served by each well is 330.

The estimated population served by the wells for each distance TDL is summarized in Table 1.

4.1.2.2 Resource Usage

The LDNR database indicates the presence of 23 registered irrigation wells and 2 aquaculture wells screened in the Chicot Aquifer within a 4-mile radius of the SBA facility (Ref. 15).

4.1.2.3 Wellhead Protection Areas

There are no State-approved wellhead protection areas within 2-miles of SBA (Ref. 18).

4.1.2.4 Vapor Intrusion

The presence of possible vapor intrusion into the occupied residences on Castex Landing Road is not known.

4.2 Surface Water Migration Pathway

The Surface Water Migration Pathway, overland/flood migration component assesses the potential for suspected contamination in perennial surface water bodies identified as part of the 15-mile downstream TDL. Identified perennial surface water bodies include streams, rivers, lakes, coastal tidal waters and oceans. The pathway takes into account such factors as distance to the overland flow segment, the nearest surface water body, flood frequencies, drainage area, surface soil type(s), the 2-year, 24-hour rainfall, the size of the source(s) being evaluated, the chemical constituents associated with the sources, and the associated surface water receptors identified within the 15-mile downstream TDL. Surface Water Migration Pathway receptors include the location of the nearest drinking water intakes and associated populations (Drinking Water Threat), fisheries and the consumption of aquatic human food chain organisms (Human Food Chain Threat), and sensitive environments (Environmental Threat) (Refs. 1-3).

4.2.1 Surface Water Characteristics

According to the US Department of Agriculture (USDA), Web Soil Survey, three major soil classification types exist at the AOI (Ref. 9). The three major soil classification types are Acadia silt loam (AcB), Barbary mucky clay (BBA) and Crowley-Vidrine silt loams (CrA). The soil comprising and present on the west side of the AOI is CrA. Slope characteristic of the CrA soil is 0 to 1 percent and it is poorly drained. The depth to restrictive features is more than 80 inches. Generally, the depth to the water table characteristic of the soil type is 0 to 18 inches for Crowley silt loam and 12 to 24 inches for Vidrine silts loam. The available water capacity characteristic is very high (about 12.6 inches for Crowley and 11.8 inches for Vidrine). The typical Crowley silt loam profile is 0-

17 inches: silt loam; 17 to 73 inches: silty clay, while the typical Vidrine silt loam profile is 0 to 14 inches: silt loam; 14-70 inches: silty clay loam.

The soil present in the northern and middle portion of the AOI is AcB. Slope characteristic of the soil is 1 to 3 percent and is somewhat poorly drained. The depth to restrictive features is more than 80 inches. Generally, the depth to the water table characteristic of the soil type is about 6 to 18 inches, and the available water capacity characteristic is high (about 10.6 inches). The typical Acadia silt loam profile is 0-6 inches: silt loam; 6 to 14 inches: silty clay loam; and 14 to 80 inches: silt clay.

The soil comprising the eastern portions, and adjacent to the west bank of Mermentau River, of the AOI is BBA. Slope characteristic of the soil is 0 to 1 percent and it is very poorly drained. The depth to restrictive features is more than 80 inches. Generally, the depth to the water table characteristic of the soil type is about 0 inches, and the available water capacity characteristic is high (about 11.4 inches). The typical BBA profile is 0 to 10 inches: mucky clay; and 10 to 60 inches: clay.

The probable point of entry (PPE) for the 15-mile surface water pathway is the wetlands on the Mermentau River directly south of the abandoned buried barge on the SBA property. Mermentau River flows for approximately 6.63 miles until it enters Lake Arthur. The remainder of the 15-mile surface water pathway continues throughout Lake Arthur (Figure 6).

4.2.2 Likelihood of Release

Contents from the barge have been observed entering into the wetlands located approximately 30 feet to the southwest (Appendix C). The two-year, 24-hour rainfall for the area of the site is approximately 5.0 to 5.5 inches (Ref. 19, p. 2). The AOI is located in a 100-year floodplain (Ref. 20).

4.2.3 Surface Water Receptors

Surface water is not utilized as a public supply in Jefferson Davis Parish (Ref. 7). Drinking water is obtained from either municipal or domestic water wells screened in the Chicot Aquifers (Ref. 16). Surface water resource usage occurs within Jefferson Davis Parish, primarily for rice farming (Ref. 7). It is assumed that water from the 15-mile TDL of the Mermentau River is used as a resource.

According to the Louisiana Department of Wildlife and Fisheries, there are two (2) species of birds (red-cockaded woodpecker – *Picoides boreakus* and bald eagle – *Haliaeetus leucocephalus*) and one (1) species of mammal (red wolf – *Canis rufus*) that are either federally or state-designated endangered or threatened species in Jefferson Davis and Acadia Parishes (Ref. 21). The location of the critical habitats for these designated endangered or threatened species has not been obtained.

Wetlands are present along the Mermentau River within the TDL. The estimated wetland frontage is 30 miles (Figure 6).

4.3 Soil Exposure Pathway

The Soil Exposure Pathway assesses the threat to human health and the environment by direct exposure to hazardous substances and areas of suspected contamination. This pathway takes into account potential contact with in-place hazardous substances at a site, rather than the migration of substances from the site (Ref. 1). The following subsections will describe the various details associated with this pathway.

4.3.1 Likelihood of Exposure

Likelihood of Exposure is concerned with areas of suspected contamination and is not limited to soil, but any sources, areas of contamination or other material on the surface that can be considered as areas of suspected contamination.

SBA encompasses approximately 98 acres of property. During IM/RA activities, fill material was acquired onsite from unaffected areas southwest of the former Oil Pit. Additionally, clean fill soil and roadbed gravel were imported from offsite to use in areas that were excavated. It is not known if soil contamination attributable to past site operations currently exists at the facility.

4.3.2 Soil Exposure Receptors

There are no receptors within 200 ft from the AOI at SBA Shipyard. Asphaltic material was deposited throughout the site, during the IM/RA activities. The material was visible during the site reconnaissance (Appendix C). The property is currently being used for livestock grazing (Appendix A). The nearest resident is located approximately 0.3 miles northwest of the former LTU area.

Residential communities are located north of the site. Census data indicate that no persons reside within the 0.25-mile radius, 4 people are located within the 0.25- to 0.50-mile radius, and 16 people are located within the 0.50- to 1.0-mile radius (Ref. 14).

4.4 Air Migration Pathway

The Air Migration Pathway assesses the threat to human health and the environment through the threat of airborne releases of hazardous substances.

4.4.1 Air Migration Pathway Characteristics

Likelihood of Release

Air monitoring was conducted during the first week of stabilization and solidification of the former Oil Pit during the IM/RA activities. Water sprays, traffic speed control measures, tarpaulin covers, windscreens and temporary work stoppages were all used to minimize the emission of dust during IM/RA activities. The facility is inactive and abandoned. It is not currently known if a release of material attributable to the facility can be documented. The impoundments and LTU were closed in 1989. There is no cover on the

abandoned barge. Odors were observed from the buried barge during the site reconnaissance. Areas of exposed soil and tarmats were observed during the site reconnaissance. Grasses and vegetation cover approximately 70% of the property.

4.4.2 Air Migration Pathway Receptors

Residential communities are located north of the site. Census data indicate that 0 persons reside within the 0.25-mile radius, 4 people within the 0.25- to 0.50-mile radius, 16 people within the 0.50- to 1.0-mile radius, 77 people between the 1- to 2- mile radius, 1,139 people between the 2- to 3-mile radius, and 1,803 people between the 3- to 4-mile radius of the site (Ref. 14).

Significant wetland acreage is located within the 4-mile TDL for the air migration pathway (Figure 6).

5 SUMMARY

The SBA Shipyard facility (SBA) is situated on approximately 98 acres of land located in a rural industrial area, at 9040 Castex Landing Road, Jennings, Jefferson Davis Parish, Louisiana is located at the end of State Highway 3166 and adjacent to the west bank of the Mermentau River. SBA used the site for construction, repair, retrofitting and cleaning of barges from 1965 to the day that operations ceased in 1993. Except for portions of the property possibly used for livestock grazing there is no known industrial use for the site prior to this time. Access to the property is restricted with fencing and locked gates (Ref. 11).

The pathways of concern are the Groundwater Migration Pathway, based on potential groundwater receptors along Castex Landing Road; and the Surface Water Pathway, based on the direct observation of materials released from the barge into the wetlands located immediately southwest of the barge. Asphaltic material was deposited throughout the site and was visible during the site reconnaissance. Monitor wells are located on the western part of the property in the vicinity of the former pits and LTU. They were periodically sampled and analyzed for VOCs and

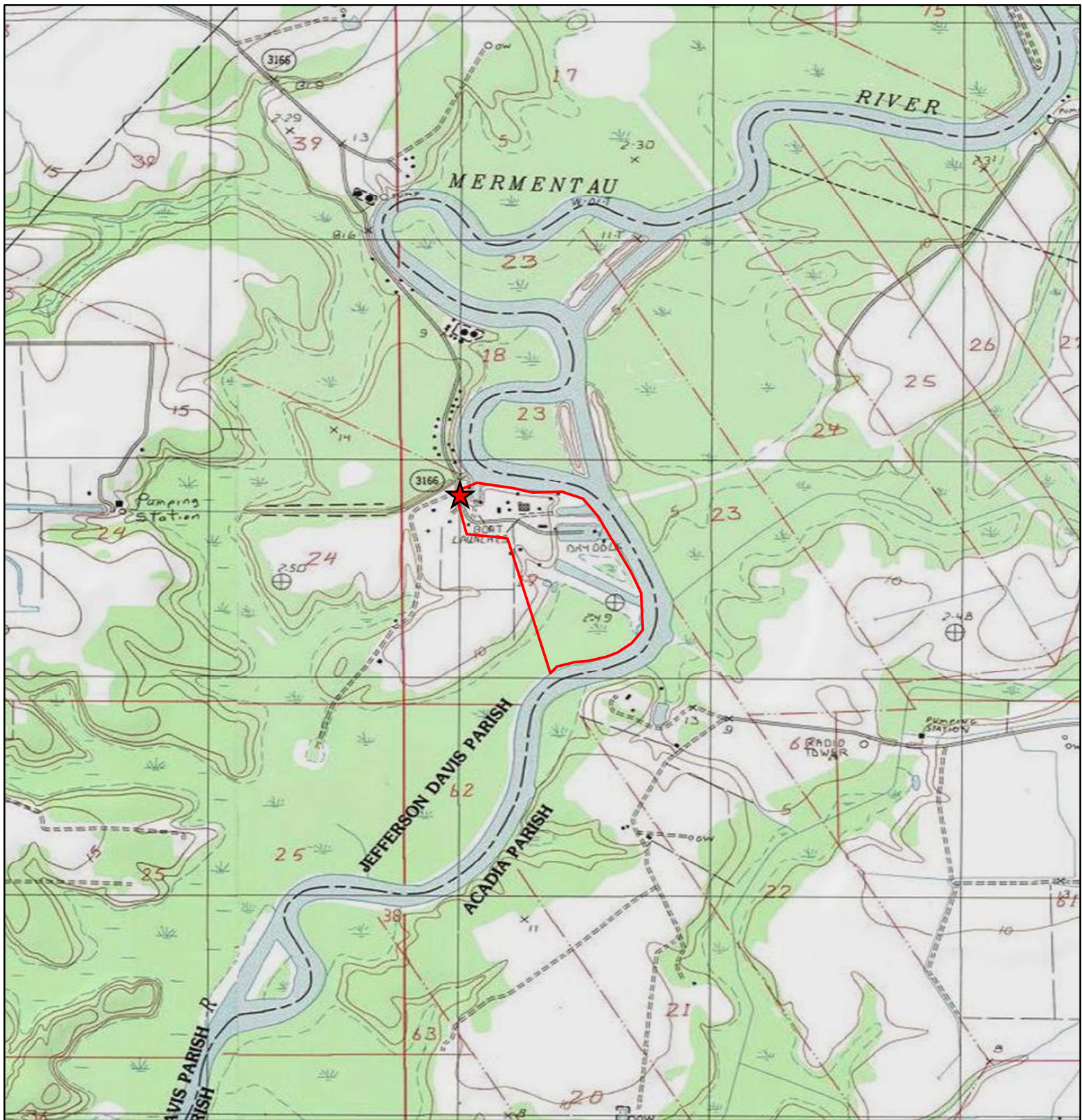
SVOCs. The analytical data in the LDEQ files show that the ground water in the shallow water bearing unit was contaminated with VOCs and SVOCs. Groundwater wells are used to obtain the drinking water supply within the AOI and within a 4-mile radius of the site. According to the LDNR, 202 registered, domestic water wells have been identified within the 4-mile radius, with the closest private drinking water well located 0.25 miles from the barge. Twenty-three (23) irrigation wells and two (2) aquaculture wells have been identified within four miles of the AOI; however it is not known if these wells are currently used in the growing of commercial food or forage crops, or used to water commercial livestock.

6 REFERENCE LIST

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8. Harder, Alfred H. The Geology and Ground-Water Resources of Calcasieu Parish, Louisiana. Geological Water-Supply Paper 1448. 1960. Total Pages: 117.
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11. Interim Measures/Removal Action Completion Report. SBA Shipyards Site, Jennings, Louisiana. Michael Pisani and Associates Inc., August 23, 2005. Total Pages: 629
12. LDEQ Field Interview Form. SBA Shipyard. Facility ID 1478. July 30, 2008. Total Pages: 1

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14. Missouri Census Data Center. MABLE/Geocorr2K: Geographic Correspondence Engine with Census 2000 Geography. Accessed at <http://mcdc.missouri.edu>. December 12, 2012. Total Pages: 1
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17. Louisiana Annual Average Precipitation Map. Accessed at http://www.maps.com/ref_map.aspx?pid=11833. Accessed January 2013. Total Pages: 3.
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21. Louisiana Department of Wildlife and Fisheries. Threatened and Endangered Table. Accessed at www.wlf.louisiana.gov. Accessed January 6, 2010. Total Pages: 5.
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23. LDEQ Field Interview Form. SBA Shipyard. Facility ID 1478. October 23, 2012. Total Pages: 1

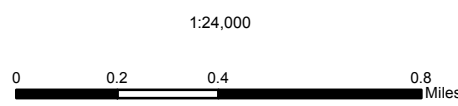
FIGURES



Legend

★ Site Entrance

□ SBA Shipyard, Inc.





**US EPA Region 6
START-3**

**Figure 1. Site Location Map
(SBA Shipyard)**

9040 Castex Landing Road, Highway 3166,
Jefferson Davis Parish, Jennings, LA 70546

CERCLIS: LAD008434185
TDD #: TO-0009-12-10-02

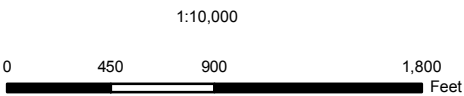
09 025

May 2013



Legend

 SBA Shipyard, Inc.



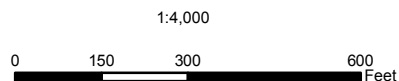
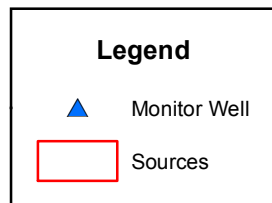
**US EPA Region 6
START-3**

**Figure 2. Aerial Location Map
(SBA Shipyard)**
9040 Castex Landing Road, Highway 3166,
Jefferson Davis Parish, Jennings, LA 70546

CERCLIS: LAD008434185
TDD #: TO-0009-12-10-02

09 026

May 2013



US EPA Region 6 START-3

Figure 3. Site Sketch (SBA Shipyard)

9040 Castex Landing Road, Highway 3166,
Jefferson Davis Parish, Jennings, LA 70546

CERCLIS: LAD008434185
TDD #: TO-0009-12-10-02

09 027

May 2013



Map of Louisiana



Legend

Wetland Type

- Riverine
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland



400 200 0 400 Feet

1:3,000



US EPA Region 6 START-3

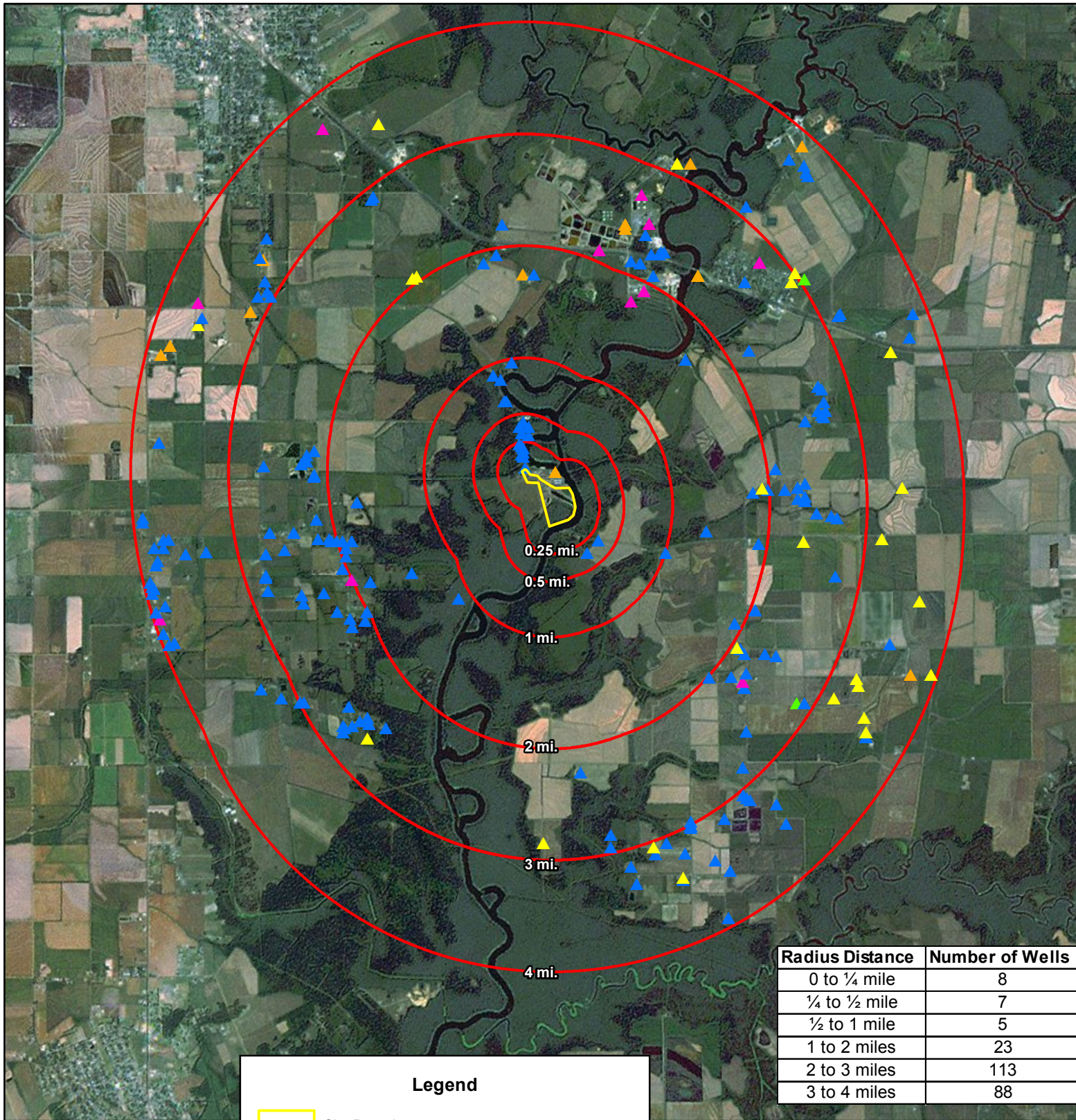
Figure 4. Barge Area (SBA Shipyard)

9040 Castex Landing Road, Highway 3166,
Jefferson Davis Parish, Jennings, LA 70546

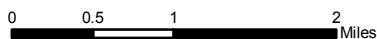
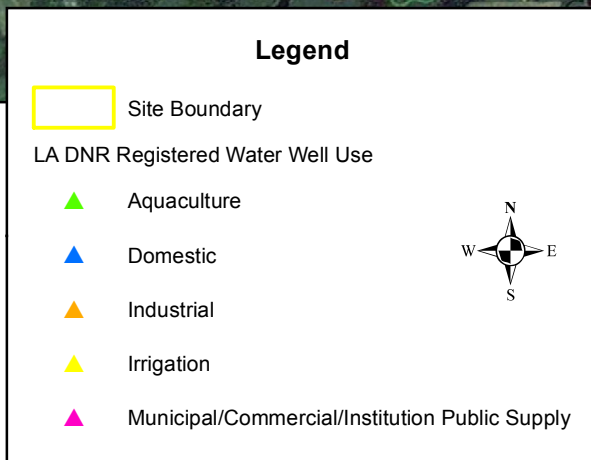
CERCLIS: LAD008434185
TDD #: TO-0009-12-10-02

09 028

January 2013



Radius Distance	Number of Wells
0 to ¼ mile	8
¼ to ½ mile	7
½ to 1 mile	5
1 to 2 miles	23
2 to 3 miles	113
3 to 4 miles	88



1:75,000



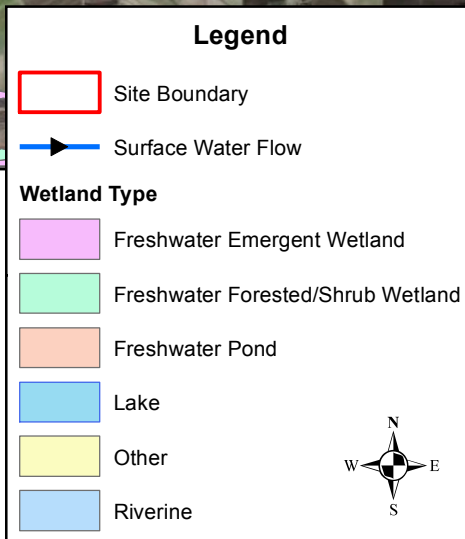
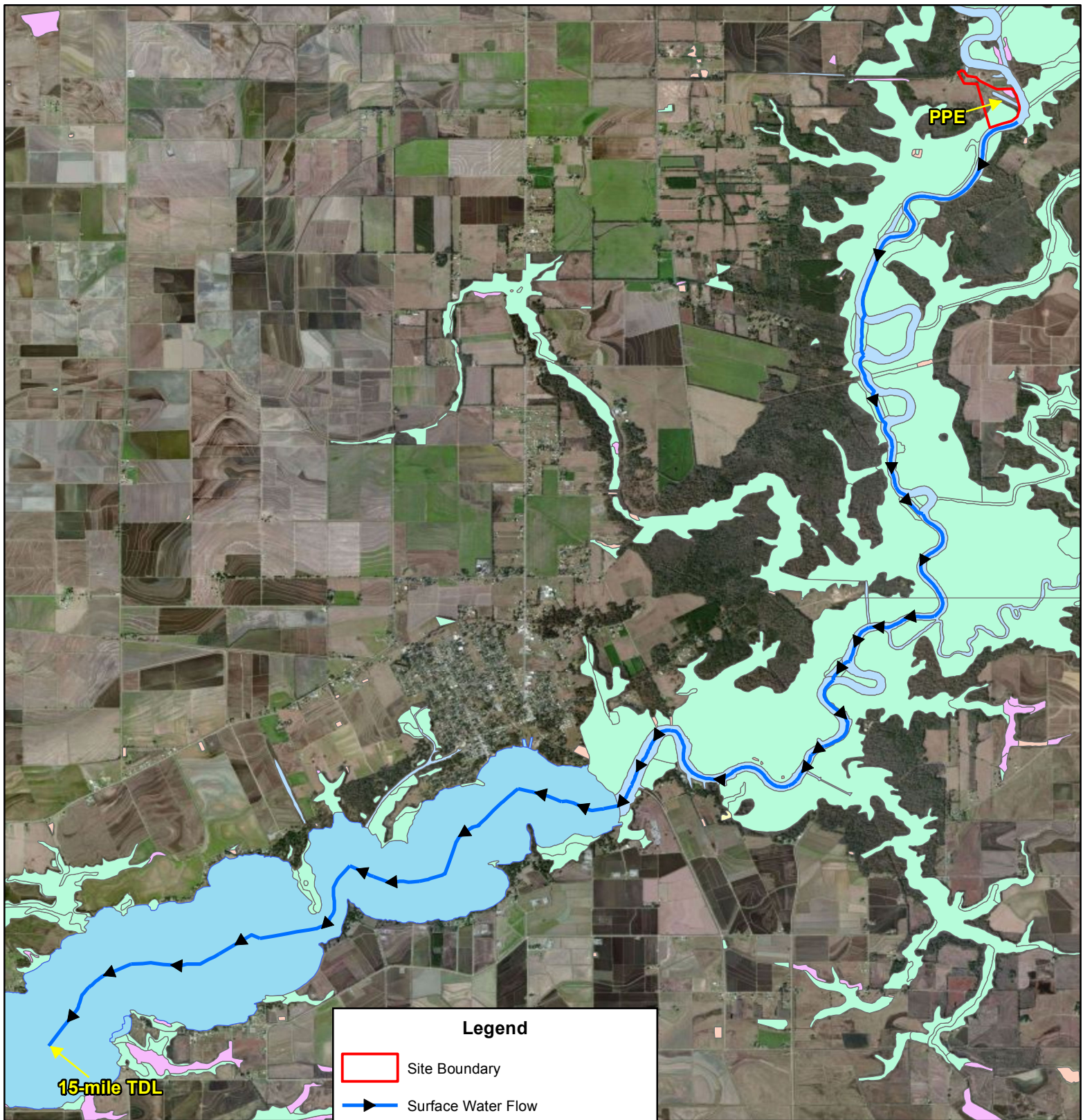
US EPA Region 6 START-3

Figure 5. 4-Mile Groundwater Migration Receptors (SBA Shipyard)
9040 Castex Landing Road, Highway 3166,
Jefferson Davis Parish, Jennings, LA 70546

CERCLIS: LAD008434185
TDD #: TO-0009-12-10-02

09 029

January 2013



1 0.5 0 1 Miles 1:75,000



**US EPA Region 6
START-3**

**Figure 6. Surface Water Migration Pathway
(SBA Shipyard)**
9040 Castex Landing Road, Highway 3166,
Jefferson Davis Parish, Jennings, LA 70546

CERCLIS: LAD008434185
TDD #: TO-0009-12-10-02

09 030

January 2013

TABLE

Table 1
Registered Drinking Water Wells within 4-mile TDL and Population Served

Target Distance (miles)	Number of Municipal Supply Wells	Number of Domestic Wells	Total Population Served
0 to 0.25	0	7	18.34
>0.25 to 0.50	0	7	18.34
>0.50 to 1	0	5	13.1
>1 to 2	0	20	52.4
>2 to 3	2	96	912.52

Source: Reference 14, 15 and 16

APPENDICES

APPENDIX A

Copy of TDD No. TO-0009-12-10-02,

and

Amendments A, 2 and 003



U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Assessment / Inspection Activities
- CERCLA Funded (0009)
Dynamac Corporation

TDD #: TO-0009-12-10-02
Contract: EP-W-06-077

! = required field

Note: Remaining
Amount includes \$0.00
in Reserve.

TDD Name: SBA Shipyard		! Period: Base Period
! Purpose: Work Assignment Initiation		
! Priority: High	! Start Date: 10/31/2012	
Overtime: Yes	! Completion Date: 02/28/2013	
! Funding Category: Removal	Invoice Unit:	
! Project/Site Name: SBA Shipyard		
Project Address: 9040 Castex Landing Road		Activity: Preliminary Assessment (PA)
County: Jefferson Parish		Work Area Code: 2146657436
City, State: Jennings, LA		Activity Code: RS
Zip:		EMERGENCY CODE:
! SSID: A6FX		FPN:
CERCLIS: LAD008434185		Performance Based: No
Operable Unit:		
Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	\$0.00	0.0
This Action:	\$10,000.00	0.0
New Total:	\$10,000.00	0.0

Specific Elements Review past and present facility waste handling practices and permit history., Document the presence quantity type or basence of uncontrolled or un-contained hazardous substance(s) on-site., Document releases to the environment., Determine pathway specific receptors and surrounding population density., Locate other environmentally sensitive receptors (e.g. wetlands and endangered species)., Perform PA activities in accordance with EPA OSWER Directive 9345.0-01A EPA OSWER Directive 9375.2-09FS and the NCP.

Description of Work:

All activities performed in support of this TDD shall be in accordance with the contract and TO PWS.

The purpose of this technical direction document is to obtain contractor support in completing Preliminary Assessment (PA) reports at the SBA Shipyard Site in Jenning, La. The contractor shall conduct a review of all available regulatory files associated with the sites. The EPA Site Assessment Manager (SAM) shall be responsible for providing copies of regulatory files or making the files available for contractor review. A site reconnaissance shall be conducted at this site the week of November 26, 2012. The purpose of a site reconnaissance is to visually observe the site and its environs and to collect additional information to assist the PA evaluation.

A PA report shall be developed for each site. The PA reports shall be developed in accordance with the EPA guidance for performing preliminary assessments (EPA540-G-91-013, Publication 9345.0-01A).

All activities shall be coordinated with the EPA WAM, Brenda Cook (214-665-7436). The START contractor shall contact Brenda Cook after receipt of this TDD.

SFO: 22

Line	DCN	IFMS	Budget / FY	Approp. Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	PLC014	XXX	12	T	6A00P	303DD2	2505	A6FXRS00	C001	\$10,000.00

Funding Summary:					Funding
Previous:					\$0.00
This Action:					\$10,000.00
Total:					\$10,000.00

Funding Category

Removal

Section

Project Officer: Linda Carter

Date: 10/30/2012

Contracting Officer: Cora Stanley

Date: 10/30/2012

No **During the past three (3) calendar years has your company, or any of your employees that will be working at this site, previously performed work at this site/facility?**

Contractor Contact: Debra Pandak

Date: 10/31/2012



U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Assessment / Inspection Activities
- CERCLA Funded (0009)
Dynamac Corporation

TDD #: TO-0009-12-10-02
Amendment#:A
Contract: EP-W-06-077

! = required field

TDD Name: SBA Shipyard		! Period: Base Period
! Purpose: Change Period of Performance		
! Priority: High	! Start Date: 10/31/2012	
Overtime:	! Completion Date: 03/15/2013	
! Funding Category: Removal	Invoice Unit:	
! Project/Site Name: SBA Shipyard		
Project Address: 9040 Castex Landing Road		Activity: Preliminary Assessment (PA)
County: Jefferson Parish	Work Area Code: 2146657436	
City, State: Jennings, LA	Activity Code: RS	
Zip:	EMERGENCY CODE:	
! SSID: A6FX	FPN:	
CERCLIS: LAD008434185	Performance Based: No	
Operable Unit:		
Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	\$10,000.00	0.0
This Action:	\$7,000.00	0.0
New Total:	\$17,000.00	0.0

Specific Elements Review past and present facility waste handling practices and permit history., Document the presence quantity type or basence of uncontrolled or un-contained hazardous substance(s) on-site., Document releases to the environment., Determine pathway specific receptors and surrounding population density., Locate other environmentally sensitive receptors (e.g. wetlands and endangered species)., Perform PA activities in accordance with EPA OSWER Directive 9345.0-01A EPA OSWER Directive 9375.2-09FS and the NCP.

Description of Work:

All activities performed in support of this TDD shall be in accordance with the contract and TO PWS.

Amendment B extends the completion date to March 15 2013 and adds additional funding of 7,000.00 per the approved cost estimate. There is no increase in cost/fee.

The purpose of this technical direction document is to obtain contractor support in completing Preliminary Assessment (PA) reports at the SBA Shipyard Site in Jenning, La. The contractor shall conduct a review of all available regulatory files associated with the sites. The EPA Site Assessment Manager (SAM) shall be responsible for providing copies of regulatory files or making the files available for contractor review. A site reconnaissance shall be conducted at this site the week of November 26, 2012. The purpose of a site reconnaissance is to visually observe the site and its environs and to collect additional information to assist the PA evaluation.

A PA report shall be developed for each site. The PA reports shall be developed in accordance with the EPA guidance for performing preliminary assessments (EPA540-G-91-013, Publication 9345.0-01A).

All activities shall be coordinated with the EPA WAM, Brenda Cook (214-665-7436). The START contractor shall contact Brenda Cook after receipt of this TDD.

SFO: 22

Line	DCN	IFMS	Budget / FY	Approp. Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	PLC015	XXX	10	TCD	6A00P	302DD2C	2505	A6FXRS00	-	\$5,382.00
2	PLC014	XXX	12	T	6A00P	303DD2	2505	A6FXRS00	C001	\$1,618.00

Funding Summary:				Funding
Previous:				\$10,000.00
This Action:				\$7,000.00
Total:				\$17,000.00

Funding Category

Removal

Section

Project Officer: Linda Carter

Date: 12/20/2012

Contracting Officer: Cora Stanley

Date: 12/20/2012

Contractor Contact: Debra Pandak

Date: 12/21/2012



U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Assessment / Inspection Activities
- CERCLA Funded (0009)
Dynamac Corporation

TDD #: TO-0009-12-10-02
Amendment#:2
Contract: EP-W-06-077

! = required field

TDD Name: SBA Shipyard		! Period: Base Period
! Purpose: Amended SOW, Change Period of Performance, Set/Revise Expenditure Limit		
! Priority: High Priority TDD	! Start Date: 10/31/2012	
Overtime: Y	! Completion Date: 04/15/2013	
! Funding Category: Removal	Invoice Unit:	
! Project/Site Name: SBA Shipyard		
Project Address: 9040 Castex Landing Road	Activity: Preliminary Assessment (PA)	
County: Jefferson Parish	Work Area Code: 2146657436	
City, State: Jennings, LA	Activity Code: RS	
Zip:	EMERGENCY CODE:	
! SSID: A6FX	FPN:	
CERCLIS: LAD008434185	Performance Based: No	
Operable Unit:		
Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	\$17,000.00	0.0
This Action:	\$3,000.00	0.0
New Total:	\$20,000.00	0.0

Specific Elements Review Past And Present Facility Waste Handling Practices And Permit History, Document The Presence Quantity Type Or Basence Of Uncontrolled Or Uncontained Hazardous Substance(S) Onsite, Document Releases To The Environment, Determine Pathway Specific Receptors And Surrounding Population Density, Locate Other Environmentally Sensitive Receptors (Egwetlands And Endangered Species), Perform Pa Activities In Accordance With Epa Osver Directive A Epa Osver Directive Fs And The Ncp

Description of Work:

All activities performed in support of this TDD shall be in accordance with the contract and TO PWS.

Amendment B extends the completion date to April 15, 2013 and adds an additional element of preparing a draft sampling plan. The contractor shall meet with the SAM and OSC prior to initiating workplan. An additional increase of \$3,000 is added to this TDD.

Amendment A extends the completion date to March 15 2013 and adds additional funding of 7,000.00 per the approved cost estimate.

The purpose of this technical direction document is to obtain contractor support in completing Preliminary Assessment (PA) reports at the SBA Shipyard Site in Jenning, La. The contractor shall conduct a review of all available regulatory files associated with the sites. The EPA Site Assessment Manager (SAM) shall be responsible for providing copies of regulatory files or making the files available for contractor review. A site reconnaissance shall be conducted at this site the week of November 26, 2012. The purpose of a site reconnaissance is to visually observe the site and its environs and to collect additional information to assist the PA evaluation.

A PA report shall be developed for each site. The PA reports shall be developed in accordance with the EPA guidance for performing preliminary assessments (EPA540-G-91-013, Publication 9345.0-01A).

All activities shall be coordinated with the EPA WAM, Brenda Cook (214-665-7436). The START contractor shall contact Brenda Cook after receipt of this TDD.

SFO: 22

Line	DCN	IFMS	Budget / FY	Approp. Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	PLC014	XXX	12	T	6A00P	303DD2	2505	A6FXRS00	C001	\$3,000.00

Funding Summary:		Funding
Previous:		\$17,000.00
This Action:		\$3,000.00
Total:		\$20,000.00

Funding Category

Removal

Current Role: Contractor
Section

Project Officer: Linda Carter

Date: 02/04/2013

Contracting Officer: Cora Stanley

Date: 02/04/2013

Contractor Contact:
Debra Pandak

Date: 2/5/2013

U.S. EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

TDD #: 9/TO-0009-12-10-02

Amendment #: 003

Contract #: EP-W-06-077

Vendor: DYNAMAC CORPORATION

TDD Title: SBA Shipyard

Verbal Date:

Purpose: AMENDED SOW; CHANGE PERIOD OF
PERFORMANCE; SET/REVISE EXPENDITURE LIMIT

Start Date: 10/31/2012

Completion Date: 07/05/2013

Effective Date: 10/31/2012

Priority: HIGH

Overtime Authorized: Yes

Invoice Unit:

SSID: A6FX

Work Area: Assessment / Inspections Activities

Project/Site Name: SBA Shipyard

Work Area Code: PA

Project Address: 9040 Castex Landing Road

Activity: Preliminary Assessment (Pipeline Only)

County: Jefferson Parish

Activity Code: PA

City: Jennings

Operable Unit:

State: LA

Emergency Code: N/A

Zip Code:

FPN:

Performance Based: No

Authorized TDD Ceiling:

	Amount	LOE (Hours)
Previous Action(s):	\$20,000.00	0.00
This Action:	\$45,000.00	0.00
New Total:	\$65,000.00	0.00

Specific Elements:

Description of Work:

See Schedule

Region Specific:

CERCLIS: LAD008434185

Misc 2:

Accounting and Appropriation Information:

SFO: 22

Line	Budget / FY	Approp. Code	Budget Org.	Program Element	Object Class	Site Project	Cost Org.	DCN Line-ID	Funding Category	TDD Amount
1	08	T	6A00	302DD2C	2505	A6FXRS00	C001	086APLC026-*	CERCLA PIPELINE	\$45,000.00

U.S. EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

TDD #: 9/TO-0009-12-10-02

Amendment #: 003

Contract #: EP-W-06-077

Vendor: DYNAMAC CORPORATION

Project Officer : Linda Carter <div style="display: flex; justify-content: space-between;"> <div>_____</div> <div>_____</div> </div> <div style="display: flex; justify-content: space-between;"> <div>(Signature)</div> <div>(Date)</div> </div>	Branch Mail Code: Phone Number : 214-665-6665 Fax Number : 214-665-6660
Contracting Officer Representative : Brenda Cook <div style="display: flex; justify-content: space-between;"> <div>_____</div> <div>_____</div> </div> <div style="display: flex; justify-content: space-between;"> <div>(Signature)</div> <div>(Date)</div> </div>	Branch Mail Code : Phone Number : 214-665-7436 Fax Number :
Contract Specialist: Cora Stanley <div style="display: flex; justify-content: space-between;"> <div>_____</div> <div>_____</div> </div> <div style="display: flex; justify-content: space-between;"> <div>(Signature)</div> <div>(Date)</div> </div>	Branch Mail Code : Phone Number : 214-665-7464 Fax Number :
Contracting Officer : Cora Stanley <div style="display: flex; justify-content: space-between;"> <div>_____</div> <div>_____</div> </div> <div style="display: flex; justify-content: space-between;"> <div>(Signature)</div> <div>(Date)</div> </div>	Branch Mail Code : Phone Number : 214-665-7464 Fax Number :
Other Agency Official : <div style="display: flex; justify-content: space-between;"> <div>_____</div> <div>_____</div> </div> <div style="display: flex; justify-content: space-between;"> <div>(Signature)</div> <div>(Date)</div> </div>	Branch Mail Code : Phone Number : Fax Number :

Description of Work:

Amendment 003 - Increases TDD ceiling by 45,000.00 to conduct sampling per approved QASP and complete SI report. The TDD ceiling is increased from \$20,000.00 to \$65,000.00 and extends POP to 07/05/2013.

Base ORIG - Authorized TDD Ceiling \$20,000.00.

POI Work Area: ASSESSMENT/INSPECTIONS ACTIVITIES

POI Activity: Preliminary Assessment (PA)

Specific Elements: Review Past And Present Facility Waste Handling Practices And Permit History - Document The Presence Quantity Type Or Basence Of Uncontrolled Or Uncontained Hazardous Substance(S) Onsite - Document Releases To The Environment - Determine Pathway Specific Receptors And Surrounding Population Density - Locate Other Environmentally Sensitive Receptors (Egwetlands And Endangered Species) - Perform Pa Activities In Accordance With Epa Osver Directive A Epa Osver Directive Fs And The Ncp

Original Site Project: A6FXRS00

Amendment B extends the completion date to April 15, 2013 and adds an additional element of preparing a draft sampling plan. The contractor shall meet with the SAM and OSC prior to initiating workplan. An additional increase of \$3,000 is added to this TDD.

Amendment A extends the completion date to March 15 2013 and adds additional funding of 7,000.00 per the approved cost estimate.

The purpose of this technical direction document is to obtain contractor support in completing Preliminary Assessment (PA) reports at the SBA Shipyard Site in Jennings, La. The contractor shall conduct a review of all available regulatory files associated with the sites. The EPA Site Assessment Manager (SAM) shall be responsible for providing copies of regulatory files or making the files available for contractor review. A site reconnaissance shall be conducted at this site the week of November 26, 2012. The purpose of a site reconnaissance is to visually observe the site and its environs and to collect additional information to assist the PA evaluation.

A PA report shall be developed for each site. The PA reports shall be developed in accordance with the EPA guidance for performing preliminary assessments (EPA540-G-91-013, Publication 9345.0-01A).

All activities shall be coordinated with the EPA WAM, Brenda Cook (214-665-7436). The START contractor shall contact Brenda Cook after receipt of this TDD.

APPENDIX B

Copy of START-3 Logbook

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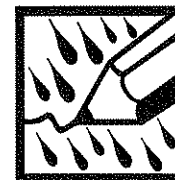
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Phone _____

Project SBA Shipyards
Castex Landing Road
Jennings LA

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook.
Helps protect your notebook from wear & tear. Contact your dealer or the J. L. Darling Corporation.

1

CONTENTS

PAGE	REFERENCE	DATE
	Site Name: SBA Shipyards	
	Type of Activity: Preliminary Assessment Site Reconnaissance	
	Site Location: 9040 Castex Landing Road, Jefferson Davis Parish Jennings, LA (Site Entrance) Lat. 30.16415 North Long. -92.61588 West	
	CERCLIS No: LA0008434185	
	SS10 No: AGFX	
	EPA Site Assessment Manager: Brenda Cook	
	START TOD NO: TO-0009-12-10-02	
	Type of Documentation: - Site Reconnaissance Logbook - Site Reconnaissance Photo Log	

09 045

SBA Ship yards Site

Sennings, LA

Dec. 12, 2012.

0930: Arrive at entrance of SBA Ship yards Site.

Kris Lloyd, Dynamac STARS

Noel Kiscoch, Dynamac STARS

Brenda Nixon Cook, EPA SAM

Mark Miller, LDEQ

Tommy Dolan, LDEQ

Weather: 43°F, Breezy, partly cloudy

Site is currently used for grazing
by cattle, sheep, horses by neighbor

Current owner: Louis Smalldale daughter

Lee Vre uses the northside of
the property.Scrapped the barge recently
and attempted to discharge to
wetlands on north ~~west~~ side of
barge. LDEQ took photos in Oct. 2012Three MWs ~~were~~ located on site

Two near the former landfarm.

One near the former tank location.

J.F.

12/11/12

SBA Shipyards Site

Photolog

Date	Photo #	Time	Subj.	Direction	P/W
12-11-12	101	0925	SBA Office	E	KL/NB
	102	0947	Scrapped Front part of barge	NE	KL/NB
	103	0947	Scrap metal NW of barge	NW	KL/NB
	104	0947	Overview of scrapping operations	N	KL/NB
	105	0948	Barge Slip on north side of barge	NW	KL/NB
	106	0948	Barge Slip	N	KL/NB
	107	0948	Barge Slip	SE	KL/NB
	108	0949	Product in Barge	N	KL/NB
	109	0949	2 nd Compartment of barge	N	KL/NB
	110	0950	Southside of barge	SE	KL/NB
	111	0953	Southeast Corner of barge	SW	KL/NB
	112	0953	Barge Slip	NW	KL/NB
	113	0954	Shreen on barge (east side)	NW	KL/NB

K.F.

12/11/12

SBA Shipyards

Denning, LA

Dec 12th 2012 - cont'd

Fence line on west side is property boundary
 Located MW-3 - closest to wetlands
 and buried barge.

Mark Miller said that most
 residences on Castex Landing Road
 are on private water wells.
 Nearest residence is across from
 the entrance to the site across
 Castex Landing Road.

Property is currently
 Asphaltic material was used for
 road and dust suppression throughout
 the property. In some areas, the
 material appears to be ~ 1-2' ft thick.
 LDEQ could not recall when monitoring
 wells were last sampled. LDEQ
 did not believe that the site was
 ever in the RCKA program

JH

12/11/12

SBA Shipyards Photolog: cont'd

Date	Photo #	Time	Subj.	Dir.	P/W
12-11-12	114	1003	Wetlands	S	KL/NB
			(PPE from barge discharge)		
12-11-12	115	1003	Wetland	S	KL/NB
12-11-12	116	1003	discharge overlaid	NW	KL/NB
			migration from barge		
12-11-12	117	1003	Trench into	W	KL/NB
			wetlands		
	118	1004	Barge compartment	NE	KL/NB
	119	1014	AST (Asphalt)	NE	KL/NB
	120	1015	AST and propane	NW	KL/NB
			tank		
	121	1015	Former Oil Pit	SE	KL/NB
	122	1015	Former Oil Pit	E	KL/NB
	123	1015	Shed/warehouse	E	KL/NB
	124	1017	Former location	W	KL/NB
			of 10,000 gbl tank		
	125	1021	MW near former	W	KL/NB
			tank location		
			E		
	126	1021	Former tank area		
	127	1024	Asphaltic material	NWSE	KL/NB
			used for road		
	128	1029	MW-4	S	KL/NB
	129	1030	MW-4	S	KL/NB

JH 12-11-12

SBA Shipyards Photolog-cont'd

Date	Photo#	Time	Subj.	Dir.	P/W
12-11-12	130	10:39	MW-1	E	KL/NB
	131	10:40	MW-1	E	KL/NB
	132	10:44	Supports	NE	KL/NB
			for former tank(?)	N	KL/NB
	133	10:44	Drainage culvert		
	134	10:46	Supports	W	KL/NB
	135	10:48	Overview of	N	KL/NB
			northern portion of property		
	136	10:48	Asphalt material	N	KL/NB
	137	10:50	AST	E	KL/NB
	138	10:51	Graving dock	E	KL/NB
	139	10:53	Barge Slip north	N	KL/NB
			of graving dock		
	140	11:00	Barge Slip located	N	KL/NB
			east of office building		
	141	11:01	Office building	NW	KL/NB
	142	11:02	Nearest residence to site	W	KL/NB
	143	11:22	Ethylene P. pipeline ROW	SE	KL/NB
	144	11:23	Scrapped tank	NW	KL/NB
	145	11:23	MW-3	S	KL/NB
	146	11:23	MW-3	S	KL/NB
	147	11:28	Storage/Shop (former)	NE	KL/NB
	148	11:28	Hydraulic buckets	E	KL/NB
	149	11:49	Sign posted at SBA entrance	S	KL/NB
	150	11:52	Entrance to Site	S	NB/KL

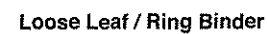
SBA Shipyards

Jennings, LA

1200 - K. Lloyd, N. Biscardi and B. Cook
 exited site and proceeded to
 Lake Charles to catch airplane
 to return to Dallas, TX

Note: Brenda Cook stated that she
 would most likely task TDD for
 EA SI once Preliminary Assessment
 was completed.

Justin Floyd 12/12/12



09 049



APPENDIX C

Reconnaissance Photographs



Logbook Photo #	DSC00150
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	South
Date	12/11/12
Time	1152
Photographer	N. Biscocho (START)
Witness	K. Lloyd (START)
Description:	
Entrance to the site.	



Logbook Photo #	DSC00103
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	North
Date	12/11/12
Time	0947
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description:	
Scrap metal NW of barge.	



Logbook Photo #	DSC00108
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	North
Date	12/11/12
Time	0949
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Product in barge.	



Logbook Photo #	DSC00109
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	North
Date	12/11/12
Time	0949
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Second compartment of barge.	



Logbook Photo #	DSC00113
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	NW
Date	12/11/12
Time	0954
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Sheen on east side of barge.	



Logbook Photo #	DSC00114
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	South
Date	12/11/12
Time	1003
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Wetlands (Probable Point of Entry - PPE - from barge discharge)	



Logbook Photo #	DSC00120
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	Northeast
Date	12/11/12
Time	1015
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: AST (asphalt) and propane tank.	



Logbook Photo #	DSC00127
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	NE
Date	12/11/12
Time	1024
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Asphaltic material used for road.	



Logbook Photo #	DSC00130
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	East
Date	12/11/12
Time	1039
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Monitor Well 1 (zoom-in)	



Logbook Photo #	DSC00131
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	East
Date	12/11/12
Time	1039
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Monitor Well 1 (zoom-out)	



Logbook Photo #	DSC00125
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	West
Date	12/11/12
Time	1021
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Monitor well near former tank location.	



Logbook Photo #	DSC00126
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	East
Date	12/11/12
Time	1021
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Former tank area.	



Logbook Photo #	DSC00146
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	South
Date	12/11/12
Time	1123
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Monitor Well 3 (zoom-in)	



Logbook Photo #	DSC00145
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	South
Date	12/11/12
Time	1123
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Monitor Well 3 (zoom-out)	



Logbook Photo #	DSC00128
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	South
Date	12/11/12
Time	1029
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Monitor Well 4 (zoom-in)	



Logbook Photo #	DSC00129
US EPA CERCLIS No / Task Order Number	LAD008434185 / TO-0009-12-10-02
Site	SBA Shipyard
Location Address	9040 Castex Landing Road
City, State	Jennings, Louisiana 70546
Parish	Jefferson Davis
Direction/Orientation	South
Date	12/11/12
Time	1030
Photographer	K. Lloyd (START)
Witness	N. Biscocho (START)
Description: Monitor Well 4 (zoom out)	